

Insight Integration of CA Unicenter with HP Integrity Servers



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Contents

Introduction..... 5

WorldView 6

Distributed State Machine..... 8

Agent Views 9

Event Management..... 10

Introduction

This document assumes the user is familiar with the capabilities and functionality of Computer Associates Unicenter product.

This document discusses the support for HP Integrity Superdome servers in the currently available Unicenter integration module.

The Insight Integration for CA Unicenter provides several features. The following lists some of the major components of the integration. For more information, please visit www.hp.com/servers/integration.

- Systems and agents defined by specific classes in the Unicenter Repository
- Second-level discovery to identify systems on the WorldView maps by device class and operating system
- Comprehensive integration with the Distributed State Machine to allow hardware monitoring
- Message Records and Actions defined for ProLiant SNMP traps provide translation in the Enterprise Management Console

WorldView

HP Integrity Superdome systems will be discovered with the HP Management Agents displayed under the Unispace icon (shown in Figure 1).

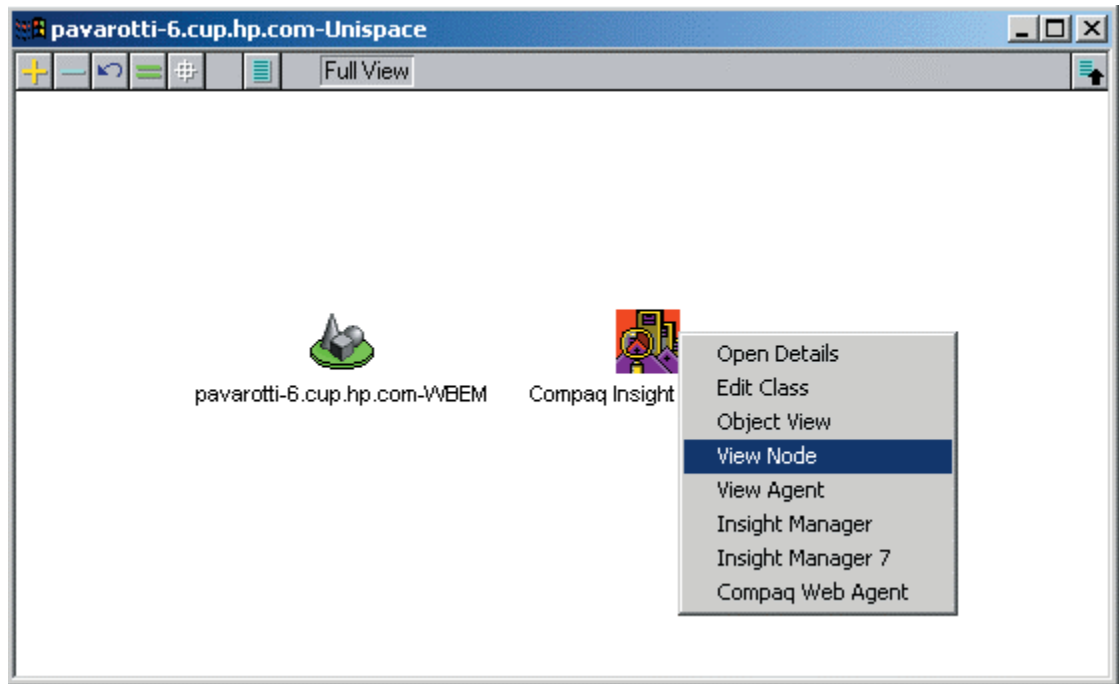


Figure 1: HP Integrity Superdome system Unispace View

These systems can also be reclassified by the second level discovery program as HP (Compaq) servers running the specified operating system. For example, if the systems are discovered as Windows NT by Unicenter, then they will be reclassified as Compaq Windows NT by the integration (shown in Figure 2).

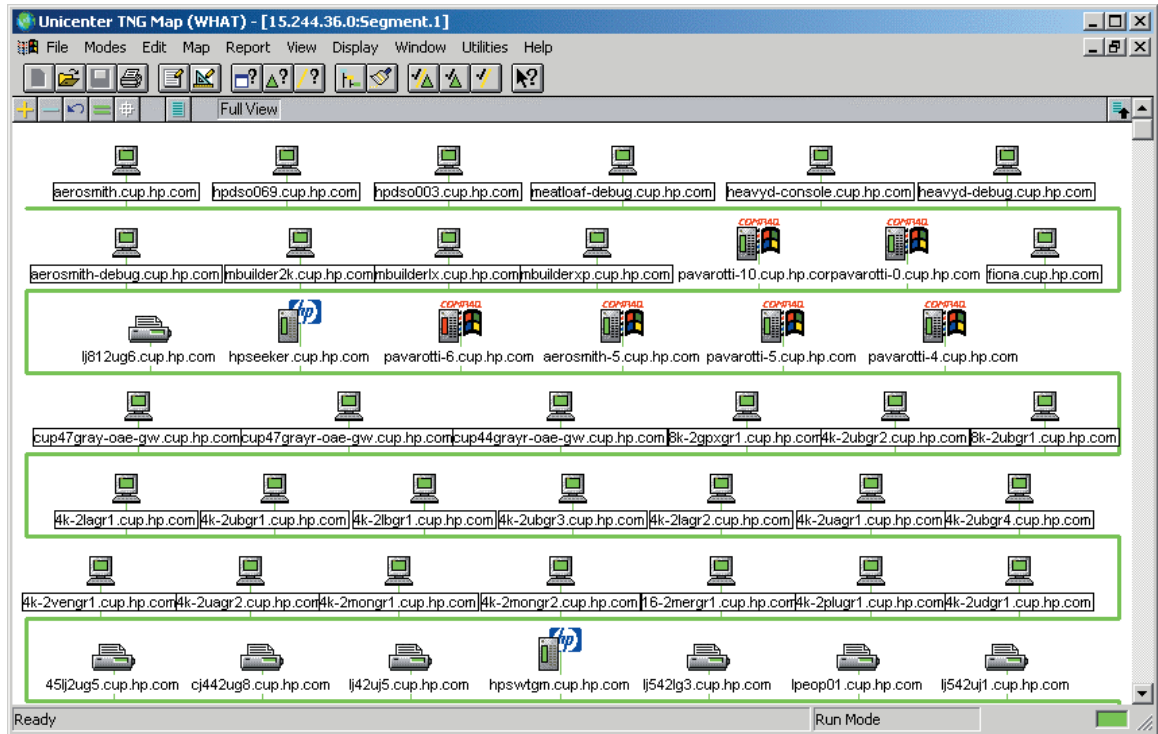


Figure 2: WorldView Map showing HP Integrity Superdome systems after second level discovery

In both cases (with and without second level discovery), these systems will be discovered and classified the same way ProLiant servers are handled in the Unicenter integration.

The menu options for created for ProLiant servers will be available and will provide the ability to launch to the web agents running on the system so the user will be able to retrieve detailed information about the system.

Distributed State Machine

The Distributed State Machine (DSM) will monitor the HP Management Agents running on HP Integrity Superdome systems similar to the way ProLiant servers are monitored (shown in Figure 3). However, there will be some noticeable differences. For example, the HP Integrity servers implement a different SCSI agent, so SCSI monitoring will not be available through the DSM.

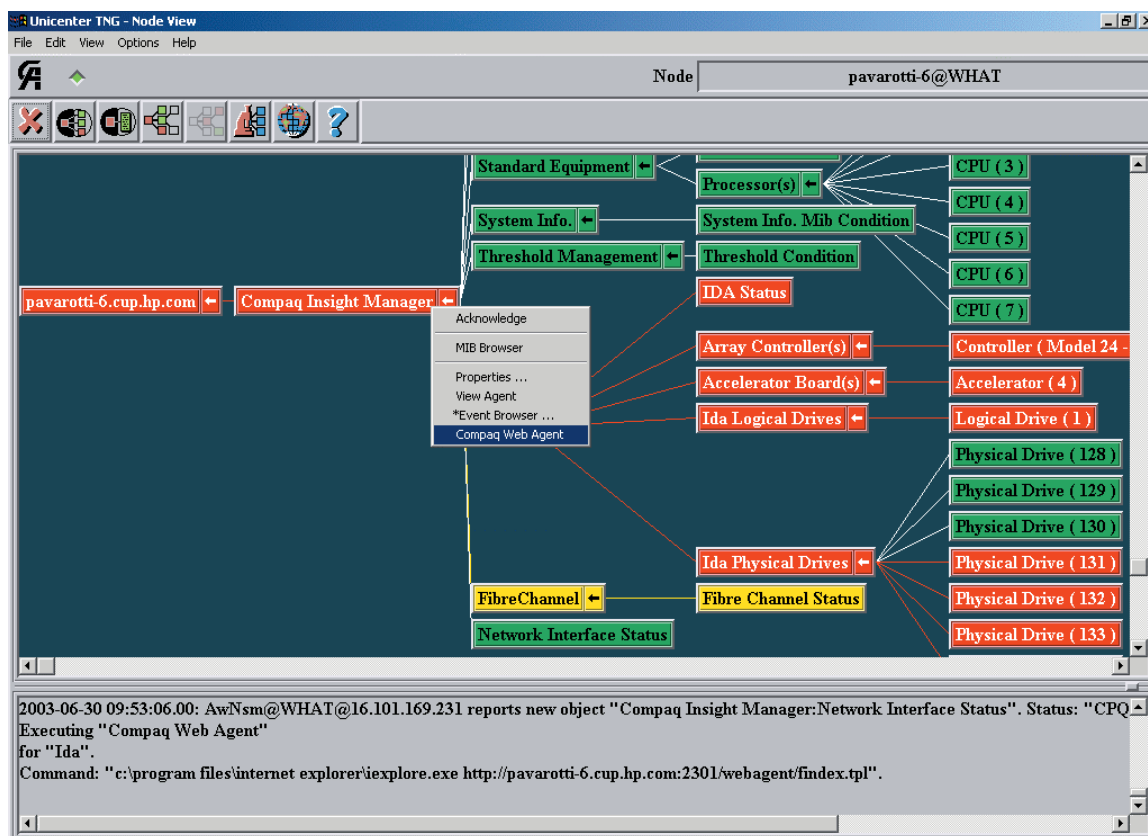


Figure 3: Unicenter NodeView monitoring an HP Integrity Superdome system

Agent Views

The Agent View created for ProLiant servers will display some of the information about HP Integrity Superdome systems. However, some components will be unavailable. For example, the most obvious difference is the absence of the SCSI subsystem status (shown in Figure 4).

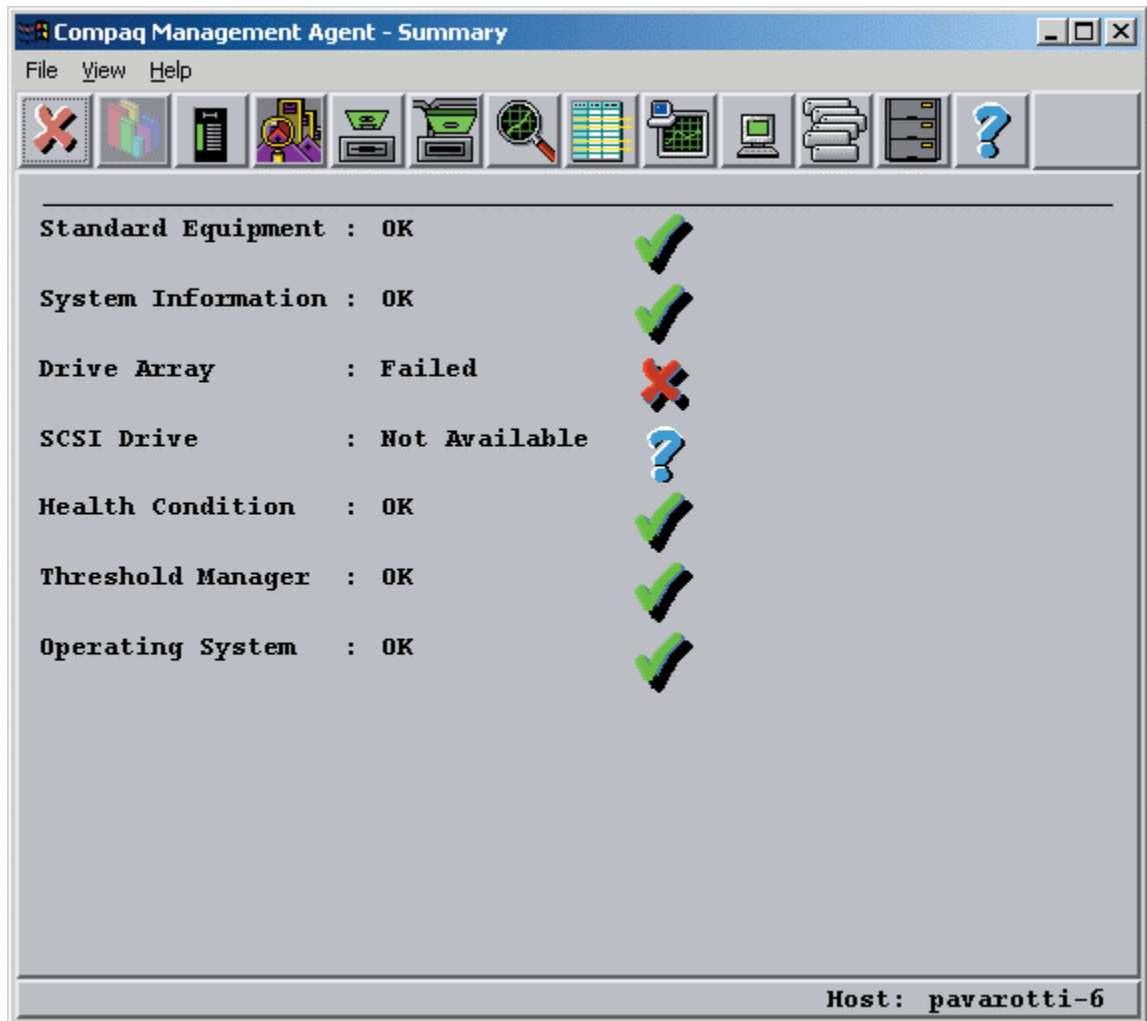


Figure 4: Agent View for the HP Management Agents on an HP Integrity Superdome system

Event Management

Currently, the only message records provided for the HP Integrity Superdome alarms are those where the same alarms are sent by ProLiant servers (for example, NIC alarms).

SNMP traps sent by an Integrity system to Unicenter will be received and displayed in the enterprise management console, but no translation will be provided unless the alarm is already defined in one of the ProLiant message record files.

Users may create their own message records and actions to provide translation information for events from HP Integrity Superdome systems. This process is described in the Unicenter documentation – refer to the “*CA Procedures Guide*.”

Below is a sample message record that could be imported into CA Unicenter from a text file. This message record would provide generic processing and translation for events from an HP Integrity Superdome system.

Example Message Record:

```
#
# HP Integrity Superdome system Generic Message Record
#
DEfINE MSGREcord MSGID='* SNMPTRAP: * * 11 * * 6 * * * *
1.3.6.1.4.1.11.2.23.35.1*'
    MSGNODE=*
    DEscription='HP Integrity Superdome Event'
    TYPE=MSG
DEfINE MSGACTion NAME=(*,10)
    ACTION=sendkeep TEXT='HP - Integrity Server Event &9 has
been received: &(16:)'
    SEVERITY=I
    ATTRIB=default
    COLOR=blue
DEfINE MSGACTion Name=(*,20)
    ACTION=ANNOTATE TEXT='An event has been received from an HP
Integrity Superdome system. The event ID and summary is displayed
with the message.'
```

Copy this example to a text file and run the following command to import the message record into Unicenter: “cautil -f newfile.txt”

The screenshots below show examples of the traps being processed in the Unicenter Enterprise Management Console after this generic message record and action has been added to the Unicenter database.

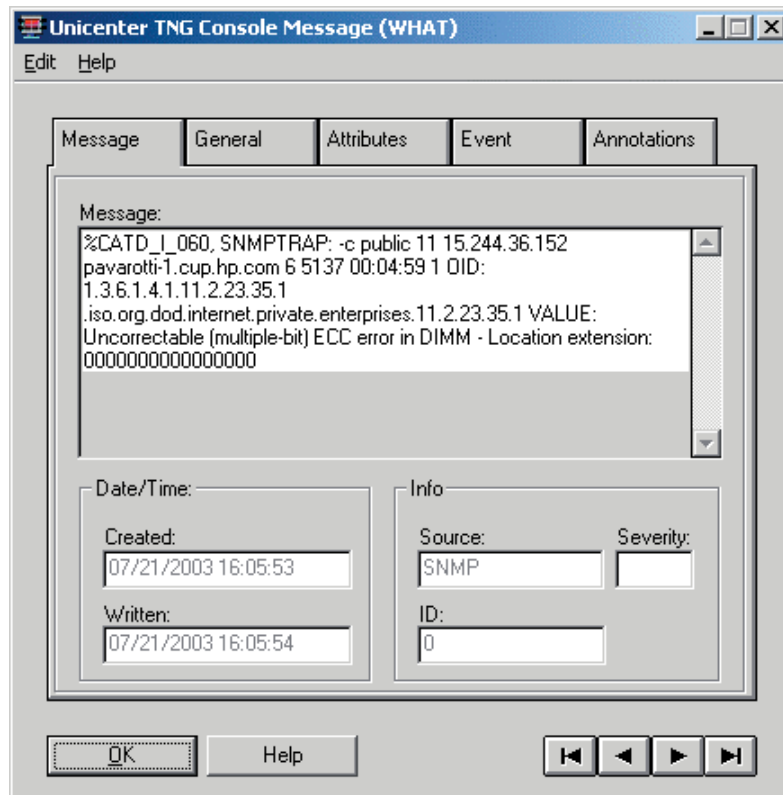


Figure 5: HP Integrity Superdome system untranslated SNMP trap

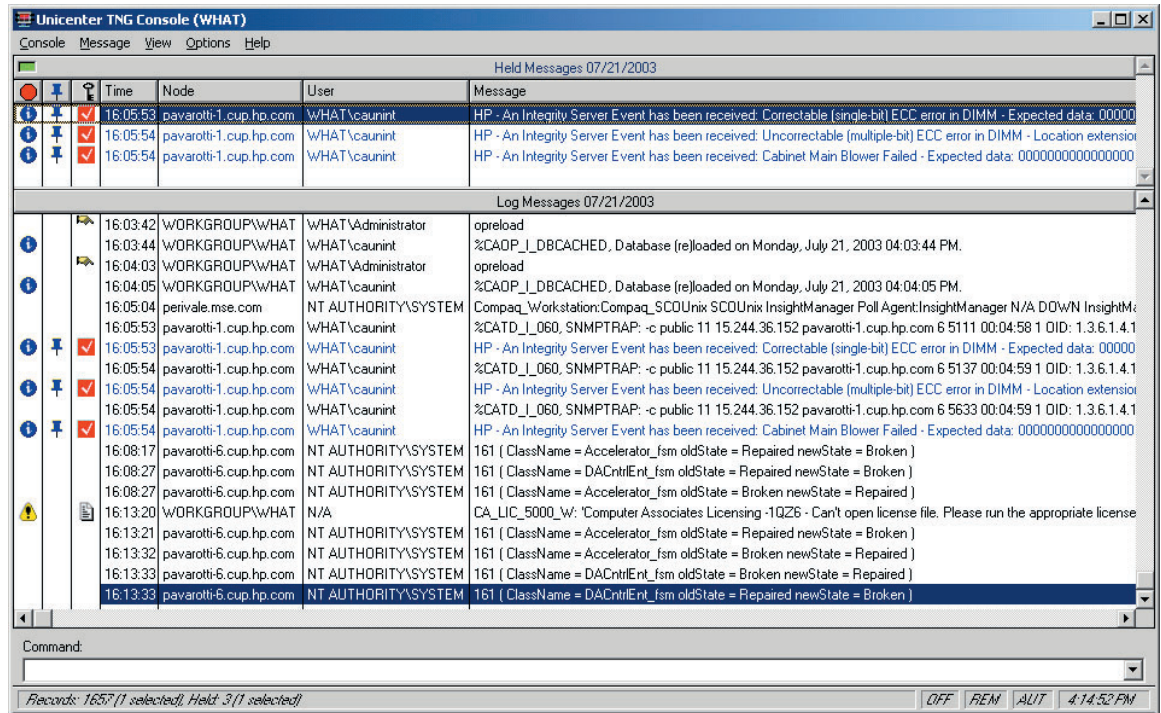


Figure 6: Unicenter Enterprise Management Console

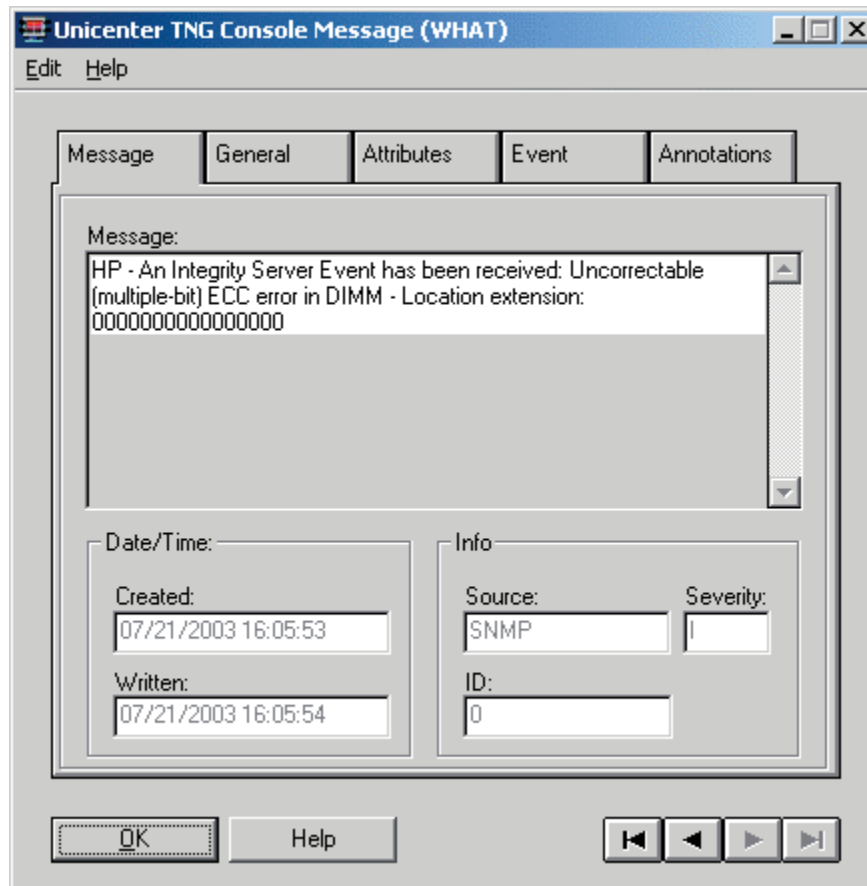


Figure 7: HP Integrity Superdome system translated SNMP trap